

Silene clokeyi C. L. Hitchcock & Maguire (1947)**CLOKEY CATCHFLY**

FAMILY: *Caryophyllaceae*, the pink family.

STATUS:

Heritage Program SENSITIVE LIST, ranks: G2 S2

USFWS/ESA: species of concern. **STATE OF NEVADA:** none. **BLM:** none. **USFS:** Humboldt-Toiyabe NF Sensitive Species. **NNNPS:** watch list.

POPULATION CENSUS: **3 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **8 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 9107+**, total estimated **area 3.2+ ha (7.9+ ac)**. **TREND:** unknown.

IMPACTS AND MAJOR THREATS: Free roaming horses, foot-traffic on unstable slopes, increased recreational use of the area.

INVENTORY EFFORT: Substantial targeted surveys have been conducted but remain incomplete. Most recent entered survey 1999, average year of last survey 1994. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 12.5%; **6-10 yrs:** 87.5%.

LAND MANAGEMENT in decreasing predominance: designated wilderness, Humboldt-Toiyabe National Forest, private lands, U. S. Bureau of Land Management (?).

RANGE: Clark County, Nevada. Endemic to the Spring Mountains. Maximum **range dimension 5.6 km (3.5 mi)** excluding most disjunct record. **Type specimen** collected in Clark County.

ELEVATIONS RECORDED: 9940-11580 feet (3030-3530 meters).

HABITAT: Dry to moist carbonate scree, talus, and loose rocky soils on ridges, flats, and steep slopes, often near persistent snow banks, in open areas in the lower alpine and upper subalpine conifer zones with *Ribes montigenum*, *Trisetum spicatum*, *Elymus elymoides*, *Erigeron clokeyi*, *Aquilegia scopulorum*, *Ivesia cryptocaulis*, *Penstemon leiophyllus* var. *keckii*, *Draba jaegeri*, *Sphaeromeria compacta*, *Antennaria soliceps*, *Synthyris ranunculina*, *Lesquerella hitchcockii*, *Pinus longaeva*, etc.

PHENOLOGY: flowering summer. Range of most frequent **survey months:** July-August.

LIFE-FORM AND HABIT: small perennial herb from a buried root crown.

DESCRIPTION: A perennial herb with many stems, 5-12 cm high. The flowering stems bear single, nodding, pink-purple flowers with conspicuously lobed petals. Flowers in July.

PHOTOGRAPHS: Nachlinger (1994), Weixelman and Atwood (1990); Nevada Natural Heritage Program slide collection (1986-present).

ILLUSTRATIONS: Mozingo and Williams (1980), Weixelman and Atwood (1990).

OTHER GENERAL REFERENCES (listed separately): Clokey (1951), Knight (1992), Niles et al. (1999).

SPECIFIC REFERENCES:

Chatterley, M. 1980. Status report for *Silene clokeyi*. Portland, Oregon: U. S. Fish and Wildlife Service.

Hitchcock, L. and B. Maguire. 1947. A revision of the North American species of *Silene*. University of Washington Publications in Biology 13: 1-73.

Smith, F. 1995. Status report for *Antennaria soliceps*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.

Smith, F. 1995. Status report for *Ivesia cryptocaulis*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.

Smith, F. 1995. Status report for *Sphaeromeria compacta*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 10 pages + two appendices.
